

# SDMX-HD Integration Module

## Overview

The SDMX-HD Integration module allows OpenMRS to export aggregate data in the [SDMX-HD](#) format. It makes use of the [Reporting Module](#) and allows the mapping of Indicator and Dimensions created in the reporting module to be mapped to Indicators and Dimensions in a SDMX-HD DataSetDefinition.

## Use Case

A typical use case would be as follows:

- Upload a SDMX-HD zip file containing a SDMX-HD DataSetDefinition
- Create Indicators and Dimensions to be reported using the Reporting Module
- Map those Indicators and Dimensions to Indicators and Dimensions in the SDMX-HD DataSetDefinition
- Run the report which generates a SDMX-HD Data message
- Send Data Message to an aggregate data system that can import SDMX-HD

## SDMX-HD Documentation

For some documentation on creating SDMX-HD DataSet Definitions please see the [SDMX-HD website](#). Here are some links to the current (at time of writing) standards documentation:

- [SDMX-HD Implementation Guide](#)
- [SDMX-HD Normative Document](#)

Producing a an SDMX-HD DataSet Definition is non-trivial, and requires a good knowledge of the documentation but the documentation above will allow you to get started. Here are some sample SDMX-HD DataSet Definition that you can have a look at:

- [Sample SDMX-HD Message](#) This sample also contains some documentation about the DataSet it represents. See Sample2.html in the zip file for more details.

## SDMX-HD features supported by this module

- External references
- Multiple KeyFamilies
- Indicator Disaggregation Hierarchies
- DataSet, Series and Obs, attached attributes

## SDMX-HD features NOT supported by this module

- Group attached attributes
- TimePeriod isn't supported for reporting frequencies other than Annual or Monthly

## Download

[SDMX-HD Integration Module 0.6.3b1](#)

## Requirements

- [OpenMRS 1.5.2](#) or higher
- [Reporting Module](#) and it dependencies
  - [HTML Widgets 1.5.5](#)
  - [Serialization XStream 0.1.8.1](#)

## Installation

Download the module and all the required modules from the links above and upload them to you OpenMRS system.

## Getting Started

To test out the module, please download the Sample SDMX-HD message listed above. For guides on how to create indicators and dimensions in the Reporting module see [Building Reports \(Step By Step Guide\)](#).

- [SDMX-HD Module tutorial](#)

## Support

If you encounter any bugs or have any feature requests please submit a ticket using the links below. If you have any question please write an email to the? OpenMRS dev [Mailing Lists](#).

If any other developer would like to help out with this module please contact me: [Ryan Crichton](#)

## Technical documentation

These are some pages that were created while the module was in development. They may not be up-to-date anymore but the main concept should still apply.

- [OpenMRS TRACNet integration \(Design Page\)](#)
- [SDMX-HD Parser Design](#) - please note that the code for the parser is now hosted at: <https://github.com/Jembi/sdmx-hd-lib>

This module was originally coded by [Ryan Crichton](#) of Jembi Health Systems.